EMR
INCORPORATED

August 14, 2008

Mr. Dan McCaskill, CIH
BNSF Railway Company
2600 Lou Menk Drive
Fort Worth, TX 76161

Re: Rail Crossing Air Monitoring
BNSF Personnel
Jay Effar Road and Cedar Creek Crossings
Libby, Montana
EMR Project No. 5539.100

Dear Mr. McCaskill:

EMR, Inc. (EMR) was contacted by the BNSF Railway Company (BNSF) to conduct personal air monitoring on the local BNSF Maintenance-of-Way crew during track crossing replacement at Jay Effar Road and Cedar Creek in Libby, Montana. EMR commenced with air monitoring during replacement of the Jay Effar Road crossing on July 22, 2008, finishing on July 23, 2008. EMR returned to conduct air monitoring on the Cedar Creek Crossing on July 29, 2008. Air monitoring was conducted to evaluate for the potential presence of airborne contaminant asbestos fibers associated with rail transport of W.R. Grace vermiculite ore or processed Zonolite shipped on this line through approximately 1990, the date of the mine closure.

Dan McCaskill, Manager Industrial Hygiene for BNSF, was on-site to communicate personal protective equipment (PPE) requirements of the work activity to the BNSF crew and to observe air monitoring activities by EMR. Nicole Bein, CDM representative, was on-site to observe work activities on behalf of EPA. David Welch, Project Site Manager for EMR, was on site to conduct personal air monitoring and PCM analysis of air samples collected from the BNSF track replacement crew and deliver air cassettes to EMSL 's Libby laboratory for AHERA TEM analysis.

Attached are a site location map, photolog of work activities, air monitoring data sheets with PCM air monitoring results, TEM results from EMSL laboratory and signed chain-of-custodies for samples submitted to EMSL lab.

Site Activities-Jay Effar Road

Crossing replacement activities commenced on July 21, 2008. However, there was no soil/ballast disturbance during initial activity of pulling rubber crossing panels and no air monitoring was conducted until the following day. On July 22, 2008, BNSF conducted track replacement of the siding track adjacent to the mainline. The work consisted of cutting the rail section spanning across the crossing, pulling the rail and ties out of the crossing, excavation of a limited quantity of track bed, removal and replacement of deteriorated ties and re-connecting the rail section with bolt plates. Following replacement, fresh ballast was placed over the track bed, tamped, regulated and raised to the proper

elevation. A water truck was utilized throughout the work activity for dust control. During this activity, EMR placed Gillian BDX II personal air pumps equipped with Zefon (Lot #15466) 25mm PCM cassettes with 0.8 um MCE filters on five BNSF employees:

Stu Hart, Tamper, BNSF Employee #5506852;
Kerry Tunison, Crew Foreman, BNSF Employee #2650224;
Tim Swilley, Ballast Regulator, BNSF Employee #7451719;
Roger Stanley, Ground Crew, BNSF Employee #7456288; and
Doug Atkins, Ground Crew, BNSF Employee #1689297

These samples were labeled samples #1 through #5 with two blanks labeled #6 and #7. Based on BNSF Maintenance-of-Way Track Time allowance to conduct the work, the BNSF crews worked continuously during track replacement activities. 3M half face respirators and tyvek suits were worn by BNSF personnel during the work activity. Work activities were temporarily suspended during eastbound and westbound train movement throughout the replacement.

Following phase contrast microscopy (PCM) analysis and at the request of BNSF, EMR delivered select air samples (#2 through #5) to the EMSL Libby laboratory for transmission electron microscopy (TEM) by the AHERA method.

Work resumed on July 23, 2008. Two additional BNSF employees were monitored:

Tom Long, Loader Operator, BNSF Employee #4876306; and
Tom Dinning, Ground Crew, BNSF Employee #1689413

Employees from the previous day were monitored again with the exception of Roger Stanley, Ground Crew. The front-end loader equipment was primarily used to scrape ballast and soil from the track section removal area to allow placement of the replacement track section. In addition, the loader was used to maintain a right-of-way fire line to help protect the mainline and sidings from potential forest fires during fire season. Following phase contrast microscopy (PCM) analysis of the July 23, 2008 samples, EMR delivered select air samples (#9, #11, #12 and #13) to the EMSL Libby laboratory for transmission electron microscopy (TEM) by the AHERA method. Sample #12 was too overloaded for PCM analysis but was acceptable for TEM analysis.

Analytical Results-Jay Effar Road

Based on PCM results, four of five samples were submitted for TEM analysis for July 22, 2008 and four of six samples submitted on July 23, 2008. No detectable asbestos structures were identified by TEM on any of the samples.

Site Activities-Cedar Creek Road Crossing

The Cedar Creek Road crossing replacement was conducted on July 29, 2008. The crossing replaced was mainline track. No siding track was present on this crossing. Dan McCaskill, BNSF Manager of Industrial Hygiene, was not available to observe operations. However, EMR was in communication with Mr. McCaskill during all site activities. Ms. Nicole Bein of CDM Federal Programs was on-site during the replacement of the Cedar Creek Crossing to observe operations on behalf of EPA. Track time to conduct the work was limited with westbound and eastbound freight trains held up until track could be re-connected. Though a water truck was requested by BNSF industrial hygiene to be on-site for dust control at the time of track replacement, no water truck was available during site activities. Any visible dust created during the crossing work was primarily related to replacement ballast regulating activities following track section connection; dust related to soil and ballast under the track bed was limited. This

work consisted of cutting the mainline rail section spanning across the crossing, pulling the rail and ties out of the crossing, excavation of a limited quantity of track bed, removal and replacement of deteriorated ties and re-connecting the rail section with bolt plates. Following replacement, fresh ballast was placed over the track bed, tamped, regulated and raised to the proper elevation. During this activity, EMR placed Gillian BDX II personal air pumps equipped with Zefon (Lot #15466) 25mm PCM cassettes with 0.8 um MCE filters on six BNSF employees:

Doug Atkins, Ground Crew, BNSF Employee #1689297
Tom Long, Front end Loader Operator, BNSF Employee #4876306
Roger Stanley, Ground Crew, BNSF Employee #7456288
Kerry Tunison, Crew Foreman, BNSF Employee #2650224
Tim Swilley, Ballast Regulator, BNSF Employee #7451719; and
Greg Carter, Ground Crew, BNSF Employee #5508833

Because no water truck was available for dust control, all of the six personal samples were submitted to EMSL Labs for analysis by AHERA TEM. These samples were labeled #16 through 21 as well as two blanks labeled #22 and 23.

Analytical Results-Cedar Creek Road Crossing
Sample #16 worn by Doug Atkins, BNSF Ground Crew was considered dust overloaded by the EMSL Libby lab. EMR requested that this overloaded sample be tested for AHERA TEM by the indirect preparation method to allow TEM analysis. No detectable asbestos structures were identified by TEM on any of the samples.

EMR appreciates this opportunity to be of service. If you have any questions, please call at your earliest convenience.

Best Regards,

David L. Welch

David L. Welch, L.G.
Project Site Manager

Attach: Site Locations Map-Aerial Photograph
Photolog
Asbestos Air Sampling Data Sheet/Chain-of-Custody
TEM Analytical Results

Photo courtesy of
Google Earth™

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EMR INCORPORATED	BNSF Crossing Replacements Jay Effar Road and Cedar Creek Libby, Montana	Designed by: DLW Drawn by: DLW Checked by: TP Project # 5539-100	Revision: 1 Date: 8-14-2008 Scale: Not Available	**Figure 1** **Site Location Map**

Photolog
EMR Project Number 5539.100
BNSF – Track Crossing Air Monitoring
Jay Effar Road Replacement
Libby, Montana

Photo 1: Removing track section from Jay Effar Road Xing.

Photo 2: Water truck conducting dust control.

Photo 3: Production tamper on Jay Effar Road Xing.

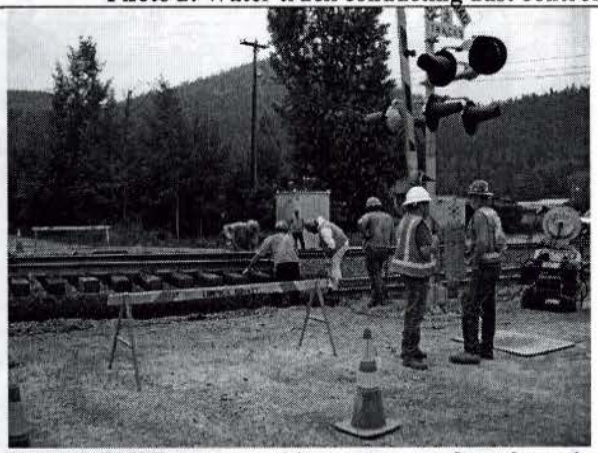

Photo 4: BNSF crews working on removed track section

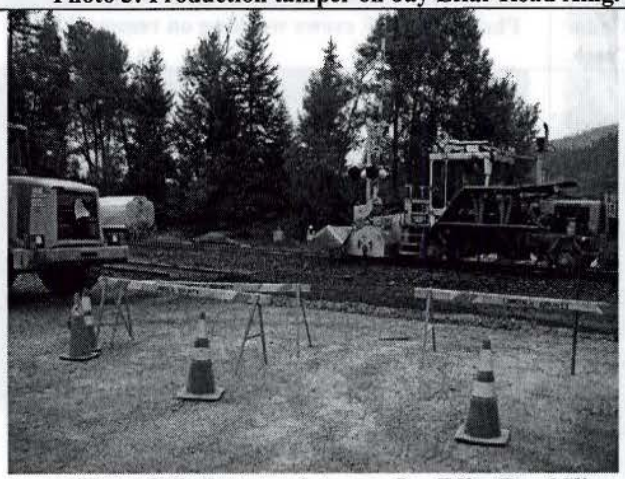

Photo 5: Ballast regulator on Jay Effar Road Xing.

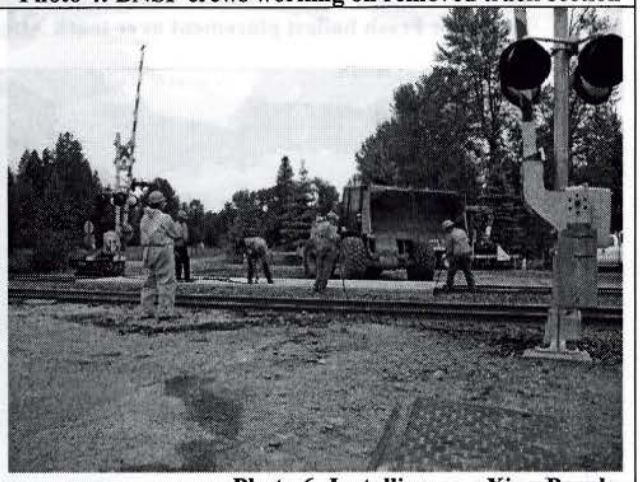

Photo 6: Installing new Xing Panels.

Photolog
EMR Project Number 5539.100
BNSF – Track Crossing Air Monitoring
Cedar Creek Crossing Replacement
Libby, Montana

Photo 1: Removed track section over Cedar Creek Xing.

Photo 2: Loader working at Cedar Creek crossing.

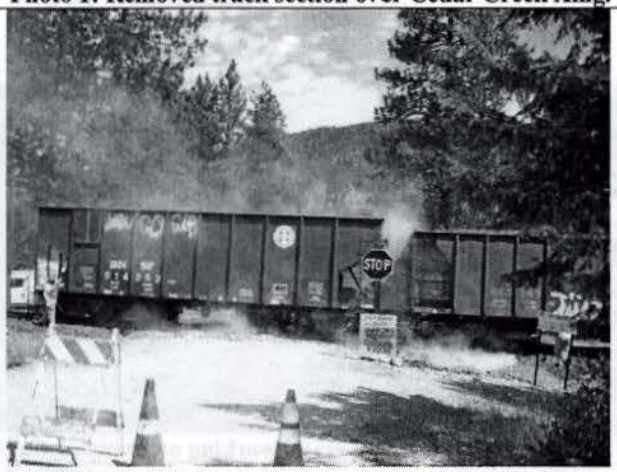

Photo 3: Fresh ballast placement over track Xing-Cedar Creek.

Photo 4: BNSF crews working on removed track section

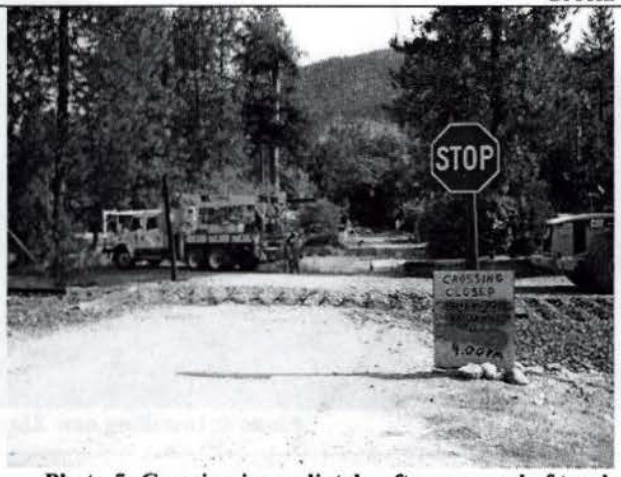

Photo 5: Crossing immediately after removal of track section.

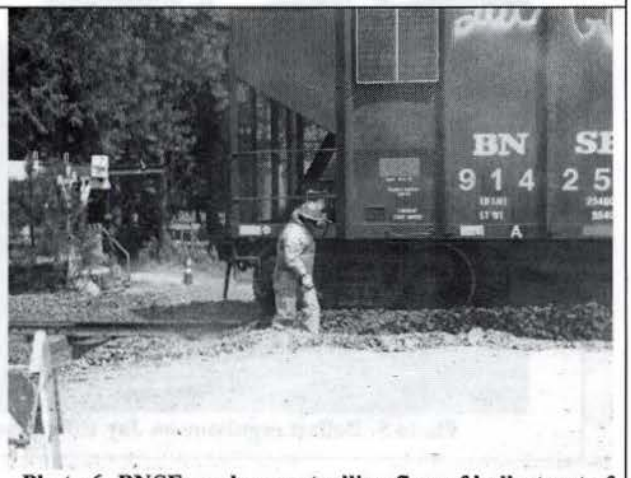

Photo 6: BNSF worker controlling flow of ballast out of hopper car.

ASBESTOS AIR SAMPLING CHAIN-OF-CUSTODY

ENCLOSURE
MINI-ENCLOSURE
NO ENCLOSURE
GLOVEBAG

PASS
OR
FAIL

BLANK AVERAGE (FIBERS/100 FIELDS): 0.0
CLEARANCE SAMPLES:
CLEARANCE LEVEL: 0.01

EMR INCORPORATED

PROJECT NO.: 5539.100
PROJECT TITLE: Personal Air Monitoring-Track Xings-Libby, MT
CLIENT: BNSF

DATE: 7/22/2008
PROJ. SITE MGR.: David L. Welch
WORK AREA: BNSF Track Crossing: Jay Effar Road

Sample Number	Pump Number	Time On	Time Off	Total Minutes	Flow Rate (l/m - avg.)	Volume (liters)	Sample Location/Description	Fibers (-blank)	Flds	Fibers/cc	8 Hr. TWA Fibers/cc
1	4161	09:55	15:50	355	2.2	781	IWA Personal Stu Hart-Tamper	4.0	100	**0.003**	**0.002**
2	2266	09:50	14:52	302	2.1	634	IWA Personal Kerry Tunison-Crew Foreman	10.5	100	**0.008**	**0.005**
3	9755	09:52	15:54	362	2.5	905	IWA Personal Tim Swilley-Ballast Regulator	15.0	100	**0.008**	**0.006**
4	4172	10:09	12:50	161	2.6	419	IWA Personal Roger Stanley-Ground Crew	8.0	100	**0.009**	**0.003**
5	6528	10:14	12:47	153	2.1	321	IWA Personal Doug Atkins-Ground Crew	7.5	100	**0.011**	**0.004**
6							Open Blank	0.0	100		
7	--	--	--	--	--	--	Sealed Blank	0.0	100	--	--
	--	--	--	--	--	--		0.0	100	--	--

Samples Collected By (Name/Signature): David L. Welch		Date: 7/22/2008	Received by (Name/Signature):
Received by (Name/Signature):		Date:	(Laboratory) Analyzed by (Name/Signature): David L. Welch
Turnaround Time ( ) On-site ( ) Immediate ( ) 24 Hour ( ) Normal			Comments: Track Crossing Replacement-Jay Effar Road
Laboratory Receiving Notes:	Custody Seal Intact?	Sample Condition:	

Date: 7/22/2008

Date: 7/22/2008

B08 0001

ASBESTOS AIR SAMPLING CHAIN-OF-CUSTODY

ENCLOSURE
MINI-ENCLOSURE
NO ENCLOSURE
GLOVEBAG

PASS
OR
FAIL

BLANK AVERAGE (FIBERS/100 FIELDS) 0.0
CLEARANCE SAMPLES
CLEARANCE LEVEL 0.01

EMR INCORPORATED

PROJECT NO. 5539.100
PROJECT TITLE: Personal Air Monitoring-Track Xings-Libby, MT
CLIENT: BNSF

DATE: 7/22/2008
PROJ. SITE MGR.: David L. Welch
WORK AREA: BNSF Track Crossing:
Jay Effar Road

270800615

Sample Number	Pump Number	Time On	Time Off	Total Minutes	Flow Rate (l/m - avg.)	Volume (liters)	Sample Location/Description	Fibers (-blank)	Flds	Fibers/cc	8 Hr. TWA Fibers/cc
1	4161	09:55	15:50	355	2.2	781	IWA Personal Stu Hart-Tamper NOT SUBMITTED DJW 7-22-08	4.0	100	0.003	0.002
2 ✓	2266	09:50	14:52	302	2.1	634	IWA Personal Kerry Tunison-Crew Foreman	10.5	100	0.008	0.005
3 ✓	9755	09:52	15:54	362	2.5	905	IWA Personal Tim Swilley-Ballast Regulator	15.0	100	0.008	0.006
4 ✓	4172	10:09	12:50	161	2.6	419	IWA Personal Roger Stanley-Ground Crew	8.0	100	0.009	0.003
5 ✓	6528 ~~628~~ DJW 7-22-08	10:14	12:47	153	2.1	321	IWA Personal Doug Atkins-Ground Crew	7.5	100	0.011	0.004
6							NOT SUBMITTED DJW 7-22-08 Open Blank	0.0	100		
7	--	--	--	--	-	--	NOT SUBMITTED DJW 7-22-08 Sealed Blank	0.0	100	-	--
	--	--	--	--	--	--		0.0	100	--	--

Samples Collected By (Name/Signature): David L. Welch — Date: 7/22/2008

Received by (Name/Signature): — Date:

Turnaround Time ( ) On-site () Immediate () 24 Hour ( ) Normal

Laboratory Receiving Notes: | Custody Seal Intact? | Sample Condition:

Received by (Name/Signature): R.K. Mahaney EMSL — Date: 7/22/08 1802

(Laboratory) Analyzed by (Name/Signature): David L. Welch — Date: 7/22/2008

Comments: Track Crossing Replacement-Jay Effar Road

ASBESTOS AIR SAMPLING CHAIN-OF-CUSTODY

ENCLOSURE
MINI-ENCLOSURE
NO ENCLOSURE
GLOVEBAG

PASS
OR
FAIL

BLANK AVERAGE (FIBERS/100 FIELDS): 0.0
CLEARANCE SAMPLES:
CLEARANCE LEVEL: 0.01

EMR INCORPORATED

PROJECT NO.: 5539.100
PROJECT TITLE: Personal Air Monitoring-Track Xings-Libby, MT
CLIENT: BNSF

DATE: 7/23/2008
PROJ. SITE MGR.: David L. Welch
WORK AREA: BNSF Track Crossing: Jay Effar Road

Sample Number	Pump Number	Time On	Time Off	Total Minutes	Flow Rate (l/m - avg.)	Volume (liters)	Sample Location/Description	Fibers (-blank)	Flds	Fibers/cc	8 Hr. TWA Fibers/cc
8	4161	09:35	14:24	289	2.1	607	IWA Personal Stu Hart-Tamper	3.5	100	**0.003**	**0.002**
9	4172	09:37	14:22	285	2.6	741	IWA Personal Tim Swilley-Ballast Regulator	11.0	100	**0.007**	**0.004**
10	6528	09:40	14:25	285	1.9	542	IWA Personal Kerry Tunison-Crew Foreman	8.0	100	**0.007**	**0.004**
11	9047	09:51	13:54	243	2.0	486	IWA Personal Tom Long-Front End Loader	42.5	100	**0.043**	**0.022**
12	2266	10:08	13:51	223	2.1	468	IWA Personal Tom Dinning-Ground Crew	Overloaded Sample-Not Analyzed by PCM			
13	9755	10:09	13:52	223	2.3	513	IWA Personal Doug Atkins-Ground Crew	12.5	100	**0.012**	**0.006**
14							Open Blank	0.0	100		
15	--	--	--	--	--	--	Sealed Blank	0.0	100	--	--

Samples Collected By (Name/Signature): David L. Welch		Date: 7/23/2008	Received by (Name/Signature):
Received by (Name/Signature):		Date:	(Laboratory) Analyzed by (Name/Signature): David L. Welch
Turnaround Time ( ) On-site ( ) Immediate ( ) 24 Hour ( ) Normal			Comments: Track Crossing Replacement-Jay Effar Road
Laboratory Receiving Notes:	Custody Seal Intact?	Sample Condition:	

Date: 7/23/2008

15080002

ASBESTOS AIR SAMPLING CHAIN-OF-CUSTODY

ENCLOSURE
INI-ENCLOSURE
NO ENCLOSURE
GLOVEBAG

PASS
OR
FAIL

BLANK AVERAGE (FIBERS/100 FIELDS): 0.0
CLEARANCE SAMPLES:
CLEARANCE LEVEL: 0.01

EMR INCORPORATED

PROJECT NO.: 5539.100
PROJECT TITLE: Personal Air Monitoring-Track Xings-Libby, MT
CLIENT: BNSF

DATE: 7/23/2008
PROJ. SITE MGR.: David L. Welch
WORK AREA: BNSF Track Crossing: Jay Effar Road

Sample Number	Pump Number	Time On	Time Off	Total Minutes	Flow Rate (l/m - avg.)	Volume (liters)	Sample Location/Description	Fibers (-blank)	Flds	Fibers/cc	8 Hr. TWA Fibers/cc
8	4161	09:35	14:24	289	2.1	607	IWA Personal Stu Hart-Tamper NOT SUBMITTED DJW 7-23-08	3.5	100	**0.003**	**0.002**
9	4172	09:37	14:22	285	2.6	741	IWA Personal Tim Swilley-Ballast Regulator	11.0	100	**0.007**	**0.004**
10	6528	09:40	14:25	285	1.9	542	IWA Personal Kerry Tunison-Crew Foreman NOT SUBMITTED DJW 7-23-08	8.0	100	**0.007**	**0.004**
11	9047	09:51	13:54	243	2.0	486	IWA Personal Tom Long-Front End Loader	42.5	100	**0.043**	**0.022**
12	2266	10:08	13:51	223	2.1	468	IWA Personal Tom Dinning-Ground Crew	Overloaded Sample-Not Analyzed by PCM			
13	9755	10:09	13:52	223	2.3	513	IWA Personal Doug Atkins-Ground Crew	12.5	100	**0.012**	**0.006**
14							NOT SUBMITTED DJW 7-23-08 Open Blank	0.0	100		
15	--	--	--	--	--	--	NOT SUBMITTED DJW 7-23-08 Sealed Blank	0.0	100	--	--

Samples Collected By (Name/Signature): David L. Welch — Date: 7/23/2008

Received by (Name/Signature): — Date:

Received by (Name/Signature): R.K. Mahoney EMSL — Date: 7/23/08 1707

(Laboratory) Analyzed by (Name/Signature): David L. Welch — Date: 7/23/2008

Turnaround Time ( ) On-site ( ) Immediate ( ) 24 Hour ( ) Normal

Laboratory Receiving Notes: | Custody Seal Intact? | Sample Condition:

Comments: Track Crossing Replacement-Jay Effar Road

ASBESTOS AIR SAMPLING CHAIN-OF-CUSTODY

ENCLOSURE _____
MINI-ENCLOSURE _____
NO ENCLOSURE _____
GLOVEBAG _____

PASS
OR
FAIL

BLANK AVERAGE (FIBERS/100 FIELDS) 0.0
CLEARANCE SAMPLES _____
CLEARANCE LEVEL 0.01

EMR INCORPORATED

PROJECT NO. 5539.100
PROJECT TITLE: Personal Air Monitoring-Track Xings-Libby, MT
CLIENT: BNSF

DATE: 7/29/2008
PROJ. SITE MGR.: David L. Welch
WORK AREA: BNSF Track Crossing: Cedar Creek

Sample Number	Pump Number	Time On	Time Off	Total Minutes	Flow Rate (l/m - avg.)	Volume (liters)	Sample Location/Description	Fibers (-blank)	Flds	Fibers/cc	8 Hr. TWA Fibers/cc
16	4172	09:42	13:27	225	2.5	563	IWA Personal Doug Atkins-Ground Crew	SUBMITTED FOR AHERA TEM ANALYSIS 7/29/08			
17	9047	09:45	15:50	365	1.9	694	IWA Personal Tom Long-Front End Loader	SUBMITTED FOR AHERA TEM ANALYSIS 7/29/08			
18	6528	09:50	13:28	218	1.9	414	IWA Personal Roger Stanley-Ground Crew	SUBMITTED FOR AHERA TEM ANALYSIS 7/29/08			
19	4161	10:00	13:33	213	2.5	533	IWA Personal Kerry Tunison-Tamper	SUBMITTED FOR AHERA TEM ANALYSIS 7/29/08			
20	9755	09:58	13:31	213	2.5	533	IWA Personal Tim Swilley-Ballast Regulator	SUBMITTED FOR AHERA TEM ANALYSIS 7/29/08			
21	6528	10:00	13:38	218	2.0	436	IWA Personal Greg Carter-Ground Crew	SUBMITTED FOR AHERA TEM ANALYSIS 7/29/08			
22	--	--	--	--	--	--	Open Blank	Not Analyzed			
23	--	--	--	--	--	--	Sealed Blank	Not Analyzed			

Samples Collected By (Name/Signature): David L. Welch		Date: 7/29/2008	Received by (Name/Signature):
Received by (Name/Signature):		Date:	(Laboratory) Analyzed by (Name/Signature):
Turnaround Time ( ) On-site ( ) Immediate ( ) 24 Hour ( ) Normal			Comments: No PCM analysis conducted following acetone and triacetin chemical taken from packed field supplies by Transportation Security Administration at airport security. DLW
Laboratory Receiving Notes:	Custody Seal Intact?	Sample Condition:	

Date: 7/29/2008
Date:

B080003

ASBESTOS AIR SAMPLING CHAIN-OF-CUSTODY

ENCLOSURE _____
MINI-ENCLOSURE _____
NO ENCLOSURE _____
GLOVEBAG _____

PASS
OR
FAIL

BLANK AVERAGE (FIBERS/100 FIELDS) 0.0
CLEARANCE SAMPLES _____
CLEARANCE LEVEL 0.01

EMR INCORPORATED

PROJECT NO. 5539.100
PROJECT TITLE: Personal Air Monitoring-Track Xings-Libby, MT
CLIENT: BNSF

DATE: 7/29/2008
PROJ. SITE MGR.: David L. Welch
WORK AREA: BNSF Track Crossing: Cedar Creek

Sample Number	Pump Number	Time On	Time Off	Total Minutes	Flow Rate (l/m - avg.)	Volume (liters)	Sample Location/Description	Fibers (-blank)	Flds	Fibers/cc	8 Hr. TWA Fibers/cc
✓16	4172	09:42	13:27	225	2.5	563	IWA Personal Doug Atkins-Ground Crew				
✓17	9047	09:45	15:50	365	1.9	694	IWA Personal Tom Long-Front End Loader				
✓18	6528	09:50	13:28	218	1.9	414	IWA Personal Roger Stanley-Ground Crew				
✓19	4161	10:00	13:33	213	2.5	533	IWA Personal Kerry Tunison-Tamper				
✓20	9755	09:58	13:31	213	2.5	533	IWA Personal Tim Swilley-Ballast Regulator				
✓21	6528	10:00	13:38	218	2.0	436	IWA Personal Greg Carter-Ground Crew				
22		NOT SUBMITTED NOT SUBMITTED				7-29-08	Open Blank				
23	–	–	–	–	–	–	7-29-08 Sealed Blank				

Samples Collected By (Name/Signature): David L. Welch
Date: 7/29/2008

Received by (Name/Signature): P.K. Mahoney EMSL
Date: 7/29/08 1656

Received by (Name/Signature):
Date:

(Laboratory) Analyzed by (Name/Signature):
Date:

Turnaround Time ( ) On-site ( ) Immediate (X) 24 Hour ( ) Normal

Comments: Track Crossing Replacement-Cedar Creek

Laboratory Receiving Notes:

Custody Seal Intact?

Sample Condition:

ENCLOSURE
MINI-ENCLOSURE
NO ENCLOSURE
GLOVEBAG

PASS
OR
FAIL

ASBESTOS AIR SAMPLING CHAIN-OF-CUSTODY

BLANK AVERAGE (FIBERS/100 FIELDS) 0.0
CLEARANCE SAMPLES
CLEARANCE LEVEL 0.01

EMR INCORPORATED

PROJECT NO. 5539.100
PROJECT TITLE: Personal Air Monitoring-Track Xings-Libby, MT
CLIENT: BNSF

DATE: 7/29/2008
PROJ. SITE MGR.: David L. Welch
WORK AREA: BNSF Track Crossing: Cedar Creek

Sample Number	Pump Number	Time On	Time Off	Total Minutes	Flow Rate (l/m - avg.)	Volume (liters)	Sample Location/Description	Fibers (-blank)	Flds	Fibers/cc	8 Hr. TWA Fibers/cc
16	4172	09:42	13:27	225	2.5	563	IWA Personal Doug Atkins-Ground Crew	Overloaded			
17	9047	09:45	15:50	365	1.9	694	IWA Personal Tom Long-Front End Loader	58.0	100	**0.041**	**0.031**
18	6528	09:50	13:28	218	1.9	414	IWA Personal Roger Stanley-Ground Crew	39.0	100	**0.046**	**0.021**
19	4161	10:00	13:33	213	2.5	533	IWA Personal Kerry Tunison-Tamper	43.0	100	**0.040**	**0.018**
20	9755	09:58	13:31	213	2.5	533	IWA Personal Tim Swilley-Ballast Regulator	17.0	100	**0.016**	**0.007**
21	6528	10:00	13:38	218	2.0	436	IWA Personal Greg Carter-Ground Crew	9.0	100	**0.010**	**0.005**
22	--	--	--	--	--	--	Open Blank	2.0	100	--	--
23	--	--	--	--	--	--	Sealed Blank	0.0	100	--	--

Samples Collected By (Name/Signature): David L. Welch	Date: 7/29/2008	Received by (Name/Signature): Michael C. McKay	Date: 8/7/2008
Received by (Name/Signature): Michael C. McKay	Date:	(Laboratory) Analyzed by (Name/Signature): Michael C. McKay	Date: 8/7/2008
Turnaround Time ( ) On-site ( ) Immediate ( ) 24 Hour ( ) Normal		Comments: PCM analysis done after TEM analysis that contained no detectable asbestos fibers. PCM not conducted initially based on acetone and triacetin slide preparation chemical removed by airport security.	
Laboratory Receiving Notes:	Custody Seal Intact?	Sample Condition:	

EMSL Analytical, Inc.
107 West 4th Street, Libby, MT 59923
Phone: (406) 293-9066 Fax: Email: mobileasbestoslab@emsl.com

Attn: **Dave Welch**
EMR Inc (Environmental Management Resrcs
Suite 114
5301 E. River Road
Fridley, MN 55421

Fax: (763) 277-5201 Phone: (763) 277-5200
Project: **B080001**
Samples collected 7/22/2008

Customer ID: EMRI53
Customer PO:
Received: 07/22/08 6:02 PM
EMSL Order: 270800615

EMSL Proj:
Analysis Date: 7/23/2008
ReportD ate: 7/23/2008
Sampling Date 7/22/2008

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm^2)	Non Asb	Asbestos Type(s)	# Structures ≥ 0.5µ < 5	# Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm^2)	Asbestos Concentration (S/cc)
2 *270800615-0001*		634.00	0.1300		None Detected			0.0047	**<7.70**	**<0.0047**
3 *270800615-0002*		905.00	0.0910		None Detected			0.0047	**<11.00**	**<0.0047**
4 *270800615-0003*		419.00	0.1300		None Detected			0.0071	**<7.70**	**<0.0071**
5 *270800615-0004*		321.00	0.1300		None Detected			0.0092	**<7.70**	**<0.0092**

Analyst(s)

Ron Mahoney (4)

R.K .M ahoney,L aboratory Manager
or other approved signatory

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Accredited for NVLAP PLM/TEM. NVLAP Libby code: 200745-0

TEMAHERA-1

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EMSL Analytical, Inc.
107 West 4th Street, Libby, MT 59923
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Attn: **Dave Welch**
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Fax: (763) 277-5201 Phone: (763) 277-5200
Project: **B080002**
Samples collected 7/23/2008

Customer ID: EMRI53
Customer PO:
Received: 07/23/08 5:07 PM
EMSL Order: 270800623

EMSL Proj: BNSF Libby, MT 2008
Analysis Date: 7/24/2008
ReportD ate: 7/24/2008

Sampling Date 7/23/2008

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm^2)	Non Asb	Asbestos Type(s)	# Structures ≥ 0.5µ < 5	# Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm^2)	Asbestos Concentration (S/cc)
9		741.00	0.1040		None Detected			0.0050	**<9.60**	**<0.0050**
270800623-0001										
11		486.00	0.1300		None Detected			0.0061	**<7.70**	**<0.0061**
270800623-0002										
12		468.00	0.1300		None Detected			0.0063	**<7.70**	**<0.0063**
270800623-0003										
13		513.00	0.1300		None Detected			0.0058	**<7.70**	**<0.0058**
270800623-0004										

Analyst(s)

Ron Mahoney (4)

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5301 E. River Road
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Fax: (763) 277-5201 Phone: (763) 277-5200
Project: **B080003**
Samples collected 7/29/2008

Customer ID: EMRI53
Customer PO:
Received: 07/29/08 4:56 PM
EMSL Order: 270800662

EMSL Proj: BNSF Libby, MT 2008
Analysis Date: 7/30/2008
ReportD ate: 7/30/2008
Sampling Date 7/29/2008

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	*Location*	*Volume (Liters)*	*Area Analyzed (mm²)*	*Non Asb*	*Asbestos Type(s)*	*# Structures* ≥ 0.5μ < 5	*# Structures* ≥5μ	*Analytical Sensitivity (S/cc)*	*Asbestos Concentration (S/mm²)*	*Asbestos Concentration (S/cc)*
16 *270800662-0001*		563.00			Overloaded					
17 *270800662-0002*		694.00	0.1300		None Detected			0.0043	**<7.70**	**<0.0043**
18 *270800662-0003*		414.00	0.1300		None Detected			0.0072	**<7.70**	**<0.0072**
19 *270800662-0004*		533.00	0.1300		None Detected			0.0056	**<7.70**	**<0.0056**
20 *270800662-0005*		533.00	0.1300		None Detected			0.0056	**<7.70**	**<0.0056**
21 *270800662-0006*		436.00	0.1300		None Detected			0.0068	**<7.70**	**<0.0068**

Analyst(s)

Ron Mahoney (5)

R.K .M ahoney,L aboratory Manager
or other approved signatory

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EMSL Analytical, Inc.
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Attn: **Dave Welch**
EMR Inc (Environmental Management Resrcs
Suite 114
5301 E. River Road
Fridley, MN 55421

Fax: (763) 277-5201 Phone: (763) 277-5200

Project: **B080003**
Samples collected 7/29/2008

Customer ID:	EMRI53
Customer PO:	
Received:	07/29/08 4:56 PM
EMSL Order:	270800662
EMSL Proj:	BNSF Libby, MT 2008
Analysis Date:	7/31/2008
ReportD ate:	7/31/2008
Sampling Date	7/29/2008

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by AHERA -EPA 40 CFR Part 763 Appendix A to Subpart E (Modified for Indirect Prep)

Sample	*Location*	*Volume (Liters)*	*Area Analyzed (mm^2)*	*Non Asb*	*Asbestos Type(s)*	*# Structures* $\geq 0.5\mu < 5$	*# Structures* $\geq 5\mu$	*Analytical Sensitivity (S/cc)*	*Total Asbestos Concentration (S/mm^2)*	*Total Asbestos Concentration (S/cc)*
16		563.00	0.1300		None Detected			0.0490	**<72.00**	**<0.0490**
270800662-0001										

Analyst(s)

Ron Mahoney (1)

R.K .M ahoney,L aboratory Manager
or other approved signatory

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Accredited for NVLAP PLM/TEM. NVLAP Libby code: 200745-0

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